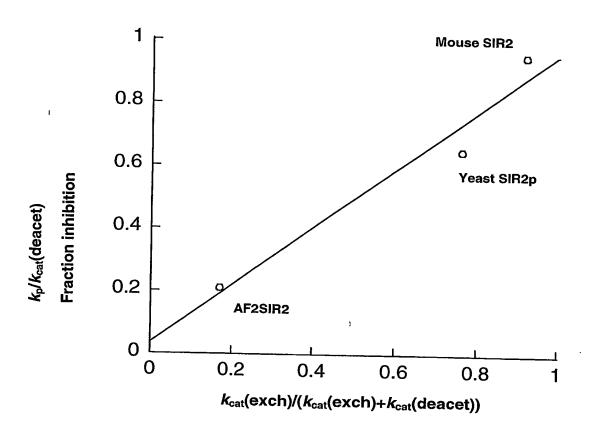
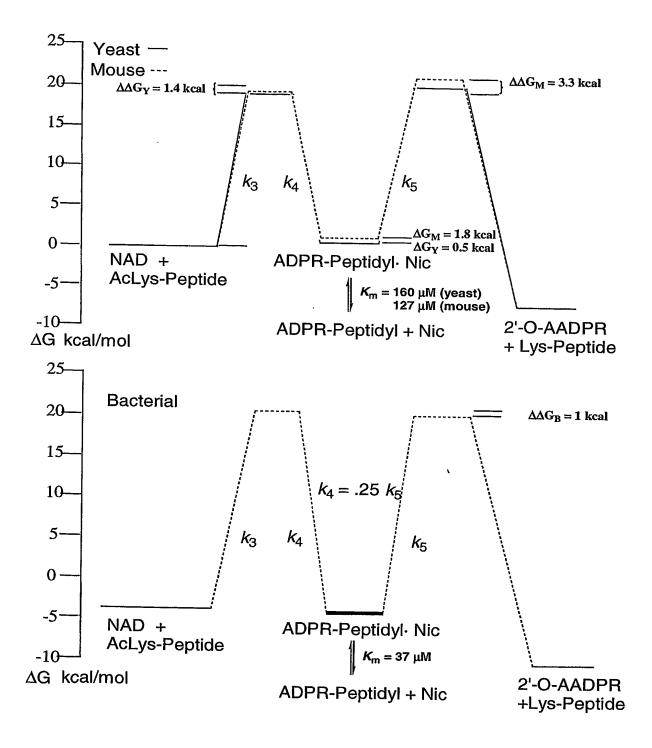


3/10 FIG. 3



4/10 FIG. 4



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5/10 FIG. 5 SCHEME I

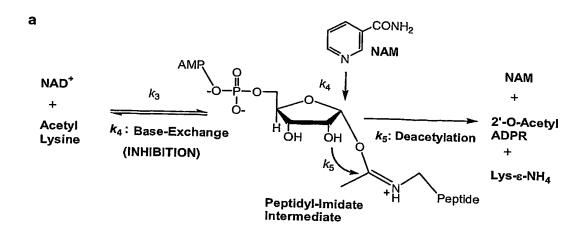
A
$$E + NAD^+ + AcLys-Protein$$
 $E \cdot NAD^+ \cdot AcLys-protein$ $E \cdot ADPR-AcLys-protein$ H_2O

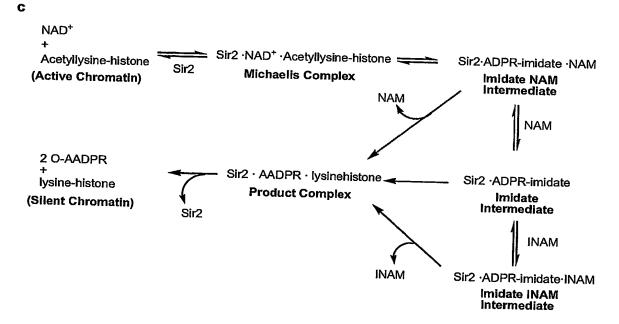
E + 2'-AADPR +Lys-Protein

AMR.
$$k_4$$
 β -face nucleophile α -face nucleophile k_5

ADPR-Peptidyl-Intermediate

6/10 FIG. 6



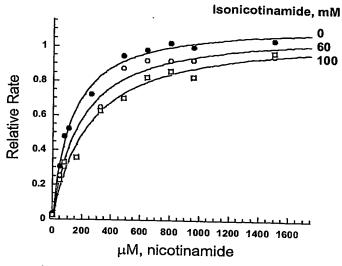


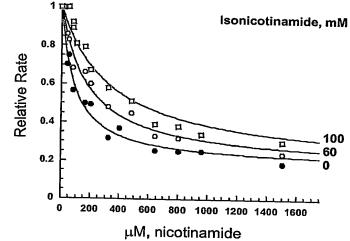
a

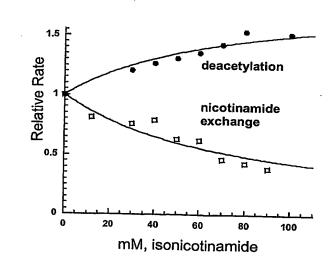
b

c

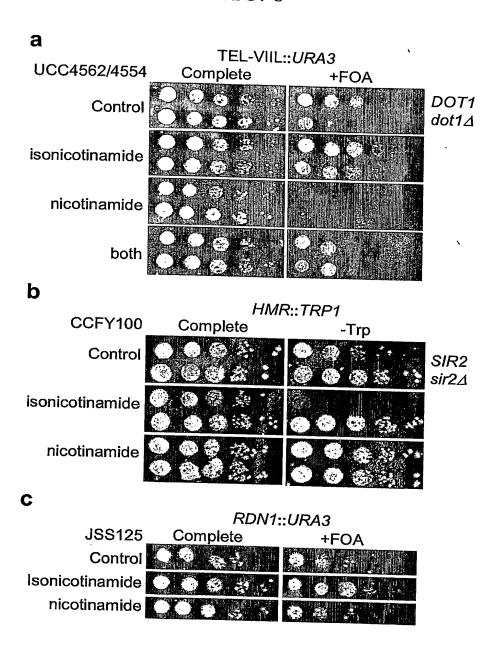
7/10 FIG. 7



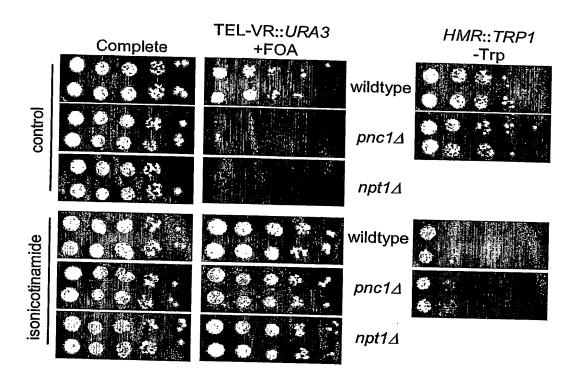




8/10 FIG. 8



9/10 FIG. 9



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10/10 FIG. 10

